AMENDMENTS TO THE SPECIFICATION

Please amend the Brief Description of the Drawings found at page 8, line 6, as follows:

Preferred embodiments of the present invention will be described below in more detail, with reference to the accompanying drawings:

Fig. 1 is a flow chart showing a method of segmentation according to an embodiment of the present invention;

Fig. 2a shows an input image according to an embodiment of the present invention;

Fig. 2b shows a histogram of the input image of Fig. 2a, fitted with a mixture of Gaussians according to an embodiment of the present invention;

Fig. 2c shows a myocardium response image according to an embodiment of the present invention;

Figs. 3a-b show an example of two passes of Dijkstra's method according to an embodiment of the present invention;

Figs. 4a-f show an example of applying shape constraints to recover the myocardium contours according to an embodiment of the present invention;

Figs. 5a-d show an example of a graph cut method according to an embodiment of the present invention; and

~~Figs. 6a-b are graphs~~ Fig. 6 is a graph showing a cumulative distribution of error distances between true contours and segmented contours, over all points, over all images, and over all patients.

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